

**IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE**

Declaration and Power of Attorney

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **"Detection of Both Voice and Tones Using Goertzel Filters"** the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by an amendment, if any, specifically referred to in this oath or declaration.

I acknowledge the duty to disclose all information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

None

I hereby claim the benefit under Title 35, United States Code, 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

None

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint the following attorney(s) with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith:

Brian K. Dinicola	(Reg. No. 36122)
Paul Gardon	(Reg. No. 48761)
David Volejnicek	(Reg. No. 29355)

Please address all correspondence to the Docket Administrator (Rm. 1N-391), Avaya Inc., 307 Middletown-Lincroft Road, Lincroft, New Jersey, 07738. Telephone calls should be made to David Volejnicek by dialing 303-538-4154.

Full name of 1st inventor: Sharmistha Das

Inventor's signature Sharmistha Das Date 11/10/03

Residence: **Broomfield, Broomfield County, Colorado**

Citizenship: India

Post Office Address: **2830 Elaine Drive
Broomfield, CO 80020**

Full name of 2nd inventor: Matthew McShea

Inventor's signature Matthew McShea Date 11/12/03

Residence: **Superior, Boulder County, Colorado**

Citizenship: USA

Post Office Address: ~~1995 E. Coalton Road, Apt. 32-104
Superior, CO 80027~~

10720 Eliot Circle #203
Westminster, CO 80234

mm 11/12/03